



## SEQUENCE LISTING

Bayer Pharmaceuticals Corporation  
Eveleigh, Deepa  
Taylor, Ian

<120> METHODS FOR PREDICTION AND PROGNOSIS OF CANCER, AND MONITORING  
CANCER THERAPY

<130> 5138

<140> US 10/675,406

<141> 2003-09-30

<150> US 60/415,194

<151> 2002-09-30

<160> 7

<170> PatentIn version 3.2

<210> 1

<211> 1449

<212> DNA

<213> Homo sapiens

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35 40 45

Ser Ser Ser Tyr Pro Thr Gly Leu Ala Asp Val Lys Ala Gly Pro Ala  
50 55 60

Gln Thr Leu Ile Arg Pro Gln Asp Met Lys Gly Ala Ser Arg Ser Pro  
65 70 75 80

Glu Asp Ser Ser Pro Asp Ala Ala Arg Ile Arg Val Lys Arg Tyr Arg  
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Gln Ser Met Asn Asn Phe Gln Gly Leu Arg Ser Phe Gly Cys Arg Phe  
100 105 110

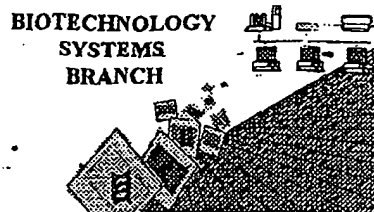
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Asp Lys Asp Lys Asp Asn Val Ala Pro Arg Ser Lys Ile Ser Pro Gln  
130 135 140

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145 150 155 160

Arg Thr Leu Val Ser Ser Lys Pro Gln Ala His Gly Ala Pro Ala Pro  
165 170 175

Pro Ser Gly Ser Ala Pro His Phe Leu  
180 185



## RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/675,406  
Source: OIP E  
Date Processed by STIC: 10-10-03

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkr41note.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry directly to (EFFECTIVE 12/01/2003):  
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two,  
2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office,  
Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 10/08/2003

## Raw Sequence Listing Error Summary

ERROR DETECTED	SUGGESTED CORRECTION	SERIAL NUMBER: <u>101675,404</u>
ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE		
1 <u>    </u> Wrapped Nucleics Wrapped Aminos	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."	
2 <u>    </u> Invalid Line Length	The rules require that a line not exceed 72 characters in length. This includes white spaces.	
3 <u>    </u> Misaligned Amino Numbering	The numbering under each 5 <sup>th</sup> amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.	
4 <u>    </u> Non-ASCII	The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.	
5 <u>    </u> Variable Length	Sequence(s) <u>    </u> contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.	
6 <u>    </u> PatentIn 2.0 "bug"	A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) <u>    </u> . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.	
7 <u>    </u> Skipped Sequences (OLD RULES)	Sequence(s) <u>    </u> missing. If intentional, please insert the following lines for each skipped sequence: (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading) (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) This sequence is intentionally skipped  Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.	
8 <u>    </u> Skipped Sequences (NEW RULES)	Sequence(s) <u>    </u> missing. If intentional, please insert the following lines for each skipped sequence. <210> sequence id number <400> sequence id number 000	
9 <u>    </u> Use of n's or Xaa's (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.	
10 <u>X</u> Invalid <213> Response	Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence	
11 <u>    </u> Use of <220>	Sequence(s) <u>    </u> missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)	
12 <u>    </u> PatentIn 2.0 "bug"	Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.	
13 <u>    </u> Misuse of n/Xaa	"n" can only represent a single nucleotide; "Xaa" can only represent a single amino acid	



IFWO

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/675,406

DATE: 10/10/2003  
TIME: 15:01:27

Input Set : A:\5138.txt  
Output Set: N:\CRF4\10102003\J675406.raw

3 <110> APPLICANT: Bayer Pharmaceuticals Corporation  
4 Eveleigh, Deepa  
5 Taylor, Ian  
7 <120> TITLE OF INVENTION: METHODS FOR PREDICTION AND PROGNOSIS OF CANCER, AND  
MONITORING

8 CANCER THERAPY  
10 <130> FILE REFERENCE: 5138  
C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/675,406  
C--> 12 <141> CURRENT FILING DATE: 2003-09-30  
12 <150> PRIOR APPLICATION NUMBER: US 60/415,194  
13 <151> PRIOR FILING DATE: 2002-09-30  
15 <160> NUMBER OF SEQ ID NOS: 7  
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19 <210> SEQ ID NO: 1  
20 <211> LENGTH: 1449  
21 <212> TYPE: DNA  
22 <213> ORGANISM: Homo sapiens  
24 <400> SEQUENCE: 1

Does Not Comply  
Corrected Diskette Needed

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29 tcaactctct	agcaggggtc	gcgcttgcga	gccgggatga	agctgggttc	cgtcgcctcg	180
31 atgtacctgg	gttcgctcgc	cttcctaggc	gctgacaccg	ctcggttgg	tgctcgctcg	240
33 gagtttcgaa	agaagtggaa	taagtgggct	ctgagtcgtg	ggaagaggga	actgcggatg	300
35 tccagcagct	accccaccgg	gctcgtgcac	gtgaaggccg	ggcctgcccc	gaccttatt	360
37 cggccccagg	acatgaagg	tgctctcga	agccccgaag	acagcagtc	ggatgccgc	420
39 cgcatecgag	tcaagcgeta	ccgccagagc	atgaacaact	tccagggcct	ccgagcttt	480
41 ggctgcccgt	tcgggacgtg	cacggtgcag	aaactggcac	accagateta	ccagttcaca	540
43 gataaggaca	aggacaacgt	cgccccagg	agcaagatca	gccccagg	ctacggccgc	600
45 cggcgccggc	gctccctgcc	cgaggccggc	ccgggtcgga	ctctggtgtc	ttctaagcca	660
47 caagcacacg	gggtccagc	ccccccaggt	ggaagtgtc	cccactttct	ttaggattta	720
49 ggcgcccattg	gtacaaggaa	tagtcgcgca	agcatccgc	tggtgcctcc	cgggacgaag	780
51 gacttcccga	gcggtgtggg	gaccgggctc	tgacagccct	gcggagacct	tgagtcggg	840
53 aggcaccgtc	cgcgccgag	ctctggcttt	gcaagggcc	ctccttctgg	gggttctcgt	900
55 tccttagcct	tgctcaggtg	caagtcccc	agggggcggg	gtgcagaaga	atccgagtgt	960
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65 acttcaaata	tagagatatt	tttgtacgtt	atatattgta	ttaagggc	tttaaaagca	1260
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## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/675,406

DATE: 10/10/2003

TIME: 15:01:27

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Output Set: N:\CRF4\10102003\J675406.raw

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 79 <213> ORGANISM: Primer *see item 10 on error summary sheet -*  
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 136 Lys Trp Asn Lys Trp Ala Leu Ser Arg Gly Lys Arg Glu Leu Arg Met  
 137 35 40 45  
 140 Ser Ser Ser Tyr Pro Thr Gly Leu Ala Asp Val Lys Ala Gly Pro Ala  
 141 50 55 60  
 144 Gln Thr Leu Ile Arg Pro Gln Asp Met Lys Gly Ala Ser Arg Ser Pro  
 145 65 70 75 80  
 148 Glu Asp Ser Ser Pro Asp Ala Ala Arg Ile Arg Val Lys Arg Tyr Arg  
 149 85 90 95  
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DATE: 10/10/2003

TIME: 15:01:27

Input Set : A:\5138.txt

Output Set: N:\CRF4\10102003\J675406.raw

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164	Gly	Tyr	Gly	Arg	Arg	Arg	Arg	Arg	Ser	Leu	Pro	Glu	Ala	Gly	Pro	Gly	
165	145						150					155				160	
168	Arg	Thr	Leu	Val	Ser	Ser	Lys	Pro	Gln	Ala	His	Gly	Ala	Pro	Ala	Pro	
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172	Pro	Ser	Gly	Ser	Ala	Pro	His	Phe	Leu								
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VERIFICATION SUMMARY

DATE: 10/10/2003

PATENT APPLICATION: US/10/675,406

TIME: 15:01:28

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Output Set: N:\CRF4\10102003\J675406.raw

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L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date